

Technical Data Sheet

| Product Name | |
|-------------------|---|
| Full Product Name | 404 PU Satin Black |
| Type of Product | 2K Acrylic Urethane Topcoat |
| Description | Concept 404 PU Satin Black is a high performance 2K black topcoat, formulated to achieve satin black finish in between high gloss and matt coatings. It is characterized by its excellent flow, coverage, chemical resistance and durability. |

| Products | | | | | | |
|------------------------------|--------------------|--------------------|---------|------------|-------|------------|
| Product Name | Volume Solids % | Weight Solids % | Density | | VOC | |
| | | | g/mL | lbs/US gal | g/L | lbs/US gal |
| 404 PU Satin Black | 39.9 | 47.86 | 1.010 | 8.43 | 527.5 | 4.40 |
| 241 PU Hardener (4:1) Slow | 35.4 | 40.9 | 1.004 | 8.38 | 593.8 | 4.96 |
| 241 PU Hardener (4:1) Normal | 33.3 | 39.9 | 0.986 | 8.23 | 593.1 | 4.95 |
| 241 PU Hardener (4:1) Fast | 33.6 | 40.2 | 0.968 | 8.08 | 578.3 | 4.83 |
| 831 2K Thinner Slow | 0.0 | 0.0 | 0.893 | 7.45 | 892.7 | 7.45 |
| 831 2K Thinner Normal | 0.0 | 0.0 | 0.882 | 7.36 | 881.9 | 7.36 |
| 831 2K Thinner Fast | 0.0 | 0.0 | 0.872 | 7.27 | 871.5 | 7.27 |

| Properties |
|--|
| <ul style="list-style-type: none"> High performance and opacity |
| <ul style="list-style-type: none"> Fast drying |
| <ul style="list-style-type: none"> Excellent through cure |
| <ul style="list-style-type: none"> Excellent levelling and flow |
| <ul style="list-style-type: none"> Satin finish |

Substrates

- Concept HS 2K Primer
- Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels.

Substrate Preparation



All Substrates




All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.

Product Preparation



| | | | | |
|---|---|---|---|-----------------------|
| Mixing Ratio 4:1 (by volume) | 404 PU Satin Black | | 241 PU Hardener (4:1) | |
| | 4 parts | | 1 part | |
| Reducer | Up to 10% (v/v) of Concept 2K Thinner, if required. | | | |
| Pot life @ 25°C (77°F) | 2-3 hours | | | |
| Spray viscosity @ 25°C (77°F) | BSB 4 Cup | 16-17 s | | |
| | Ford 4 Cup | 14-15 s | | |
| Spray equipment | Gun type | Fluid tip | Spray pressure | Spray Distance |
| | Gravity feed | 1.3-1.4 mm 0.051-0.055" | 200-240 kPa 2.0-2.4 bar 30-35 psi | 15-20 cm 6-8 inch |
| | Suction feed | 1.3-1.4 mm 0.051-0.055" | 200-240 kPa 2.0-2.4 bar 30-35 psi | 15-20 cm 6-8 inch |
| HVLP | HVLP | 1.2-1.3 mm 0.047-0.051" | 40-70 kPa 0.4-0.7 bar 6-10 psi | 15-20 cm 6-8 inch |
| Number of coats | 2-3 | Apply one coat followed by one or two even full coats. Avoid heavy wet coats. | | |

Technical Data Sheet

Product Preparation cont

| | | | |
|---|-------------------------------------|--------------------------------|-------------|
|  | DFT Recommended | 40-50 µm 1.6-2.0 mils | |
|  | Flash off time @ 25°C (77°F) | 5-10 min between coats | |
|  | Drying | Air Dry @ 25°C (77°F) | 16-24 hours |
| | | Low Bake @ 50°C (122°F) | 30-40 min |
| <p>This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.</p> | | | |

Remarks

| | |
|---|--|
|  | Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components. |
|  | Surface temperature must always be a minimum of 3°C (5°F) above dew point. |

Equipment Cleaning

Use recommended Concept Paints cleaner

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

| | |
|----------------------------|------------------------|
| Gloss 60° | 45-55 GU (Gloss Units) |
| Chemical resistance | Excellent |
| Durability | Excellent |

Technical Data Sheet

| Product Data | |
|----------------------|---|
| Colour | Black (Satin Gloss) |
| Theoretical Coverage | Approx. 9.0 m ² /L (365 ft ² /US gal) @ recommended DFT |
| Shelf Life | 36 months in an unopened container at room temperature, away from sunlight. |

| Product Packaging | | | |
|-------------------|----------------|------------------------------|--------------|
| Product Code 1 | Product Code 2 | Product Name | Package Size |
| IN40470020004 | 4047002 | 404 PU Satin Black | 4L |
| IN24191000001 | 2419100 | 241 PU Hardener (4:1) Slow | 1L |
| IN24192000001 | 2419200 | 241 PU Hardener (4:1) Normal | 1L |
| IN24193000001 | 2419300 | 241 PU Hardener (4:1) Fast | 1L |
| IN83191000020 | 8319100 | 831 2K Thinner Slow | 20L |
| IN83192000020 | 8319200 | 831 2K Thinner | 20L |
| IN83193000020 | 8319300 | 831 2K Thinner Fast | 20L |

| Safety |
|---|
| <p>For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all label and Safety Data Sheet (SDS) precautions. If mixed with other components, the mixture will have hazards of all individual components.</p> <p>Read and understand the Guidelines for the Safe Handling and Use of Isocyanate Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment.</p> <p>Use only in a well-ventilated approved spray booth, according to local regulations.</p> |

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This Technical Data Sheet supersedes all previous issues.

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